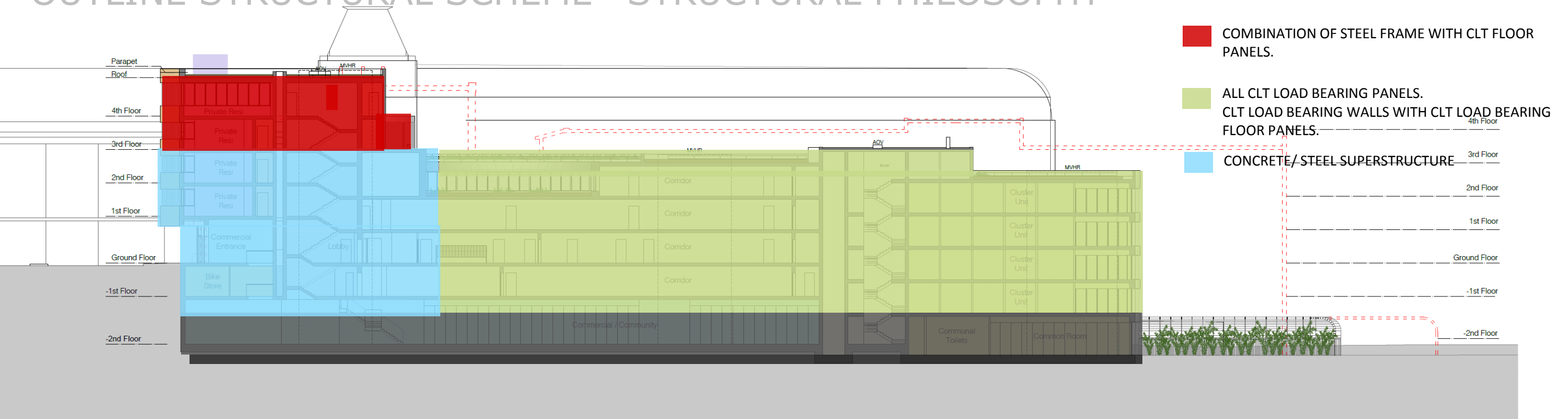


MIDLAND CRESCENT

OUTLINE STRUCTURAL SCHEME – STRUCTURAL PHILOSOPHY



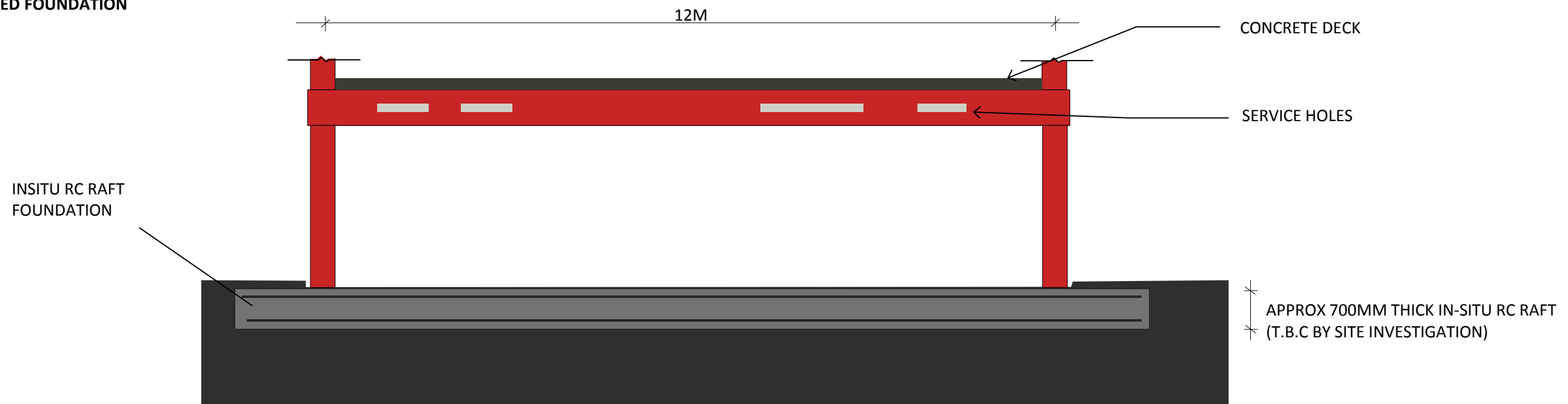
SCHEME INCLUDES

- CONCRETE RAFT
- CONCRETE OR STEEL FRAME CONSTRUCTION FROM B-2 TO B-1/GROUND
- STEEL + CLT CONSTRUCTION TO THE EAST OF THE SITE.
- CLT FRAME IN CELLULAR AREAS.

- ✓ CLT IS LIGHTWEIGHT, PREFAB SYSTEM WITH MINIMAL CONDUCTIVE ELEMENTS
- ✓ CLT HAS LOW EMBODIED ENERGY AND WELL SUITED TO CELLULAR ROOM ARRANGEMENTS.

- x STEEL/CONCRETE FRAMING ELEMENTS REQUIRED TO ACHIEVE LONG CLEAR SPANS AT LOWER GROUND AND EAST END OF SITE.

PROPOSED FOUNDATION



TYPICAL SECTION

- FOUNDATIONS TO BE CONFIRMED BY SITE INVESTIGATIONS
- USE OF LIGHTWEIGHT STEEL/ CLT SUPERSTRUCTURE MAKES RAFT FOUNDATION FEASIBLE. THIS OFFERS SIGNIFICANT ADVANTAGES OVER A PILED SCHEME FOR A RESTRICTED SITE SUCH AS THIS.



Project Title	Midland crescent		
Project N°	30030		
Sketch N°	SSK05		
Title	Structural options		
Scale	NTS		
Eng:	Rev:	Date:	Checked
LC	P03	20/08/14	AW